

Amendments to the Claims

1. (CURRENTLY AMENDED) A method of detecting a presence of a circuit extending arrangement (~~111~~, ~~112~~)-inserted between a physical interface (~~115~~), connected to a terminal (~~101~~), and a smart card (~~100~~), the physical interface (~~115~~) being adapted to receive the smart card (~~100~~), the method comprising the steps of:
 - measuring at least one electrical characteristic of the physical interface (~~115~~), and
 - determining whether a circuit extending arrangement (~~111~~, ~~112~~), changing at least one characteristic of said physical interface (~~115~~), is coupled to said physical interface (~~115~~) on the basis said measurement.
2. (CURRENTLY AMENDED) Method according to claim 1, characterized in that said step of measuring comprises:
 - measuring a first current provided from said terminal (~~101~~) to said smart card (~~100~~) via said physical interface (~~115~~),
 - measuring a second current returned from said smart card (~~100~~) to said terminal (~~101~~),and in that said method further comprises the step of
 - comparing whether said first and said second current is substantially equal, and if not determining that a circuit extending arrangement (~~111~~, ~~112~~)-is present.
3. (ORIGINAL) A method according to claim 1, characterized in that said method further comprises a step of:
 - comparing said measured at least one electrical characteristic with at least one electrical characteristic as calibrated during manufacture.
4. (CURRENTLY AMENDED) A method according to claim 1, characterized in that said physical interface (~~115~~) has been calibrated to create at least one viable, but non-stable, electrical property at the physical level, the at least one property allowing normal transaction with said smart card (~~100~~), but causing the interface to fail if an circuit extending arrangement (~~111~~, ~~112~~)-is coupled to said physical interface (~~115~~).

5. (CURRENTLY AMENDED) A method according to claim 4, characterized in that said at least one non-stable electrical property relates to current and/or voltage characteristics of said physical interface (115).

6. (CURRENTLY AMENDED) Method according to ~~claims 1—5~~claim 1, characterized in that the method further comprises the step of:

- regulating the use of the smart card (100) on the basis of said step of comparing.

7. (CURRENTLY AMENDED) A terminal for detecting a presence of a circuit extending arrangement (~~111, 112~~) inserted between a physical interface (115), connected to said terminal (101), and a smart card (100), the physical interface (115) being adapted to receive said smart card (100), the terminal (100) comprising a monitoring circuit (114) comprising

- means (~~102a, 102b~~) for measuring at least one electrical characteristic of the physical interface (115), and
- means (104) for determining whether a circuit extending arrangement (~~111, 112~~), changing at least one characteristic of said physical interface (115), is coupled to said physical interface (115) on the basis an output of means for measuring (~~102a, 102b~~).

8. (CURRENTLY AMENDED) A terminal according to claim 7, characterized in that said means for measuring comprises:

- a first measure circuit (~~102a~~) measuring a first current provided from said terminal (101) to said smart card (100) via said physical interface (115),
- a second measure circuit (~~102b~~) measuring a second current returned from said smart card (100) to said terminal (101),

and in that said terminal further comprises

- a comparator (103) connected to said first and second measure circuit (~~102a, 102b~~) and adapted to compare whether said first and said second current is substantially equal, and if not generating a signal representing that a circuit extending arrangement (~~111, 112~~) is present.

9. (CURRENTLY AMENDED) A terminal according to claim 7, characterized in that said terminal further comprises a comparator (103) for comparing said

measured at least one electrical characteristic with at least one electrical characteristics as calibrated during manufacture.

10. (CURRENTLY AMENDED) A terminal according to claim 7, characterized in that said physical interface (~~115~~) has been calibrated to create at least one viable, but non-stable, electrical property at the physical level, the at least one property allowing normal transaction with said smart card (~~100~~), but causing the interface to fail if an circuit extending arrangement (~~111, 112~~) is coupled to said physical interface (~~115~~).

11. (CURRENTLY AMENDED) A terminal according to claim 10, characterized in that said at least one non-stable electrical property relates to current and/or voltage characteristics of said physical interface (~~115~~).

12. (CURRENTLY AMENDED) A terminal according to ~~claims 7—11~~claim 7, characterized in that the terminal (~~101~~) further comprises:

- means (~~106~~) for regulating the use of the smart card (~~100~~) on the basis of said signal from said comparator.

13. (CURRENTLY AMENDED) A computer readable medium having stored thereon instructions for causing one or more processing units to execute the method according to ~~any one of claims 1—6~~claim 1.